



10061

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of : Arthur W. Chester, et al.
Serial No. : 09/144,607
Filed : 31 August 1998
For : GASOLINE SULFUR REDUCTION IN FLUID CATALYTIC
CRACKING
Group Art Unit: 1764
Examiner : N. Preisch

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AMENDMENT

Fairfax, Virginia 22037

Assistant Commissioner of Patents
Washington, D.C. 20231

Sir:

Please amend this application as set out below.

Amend claim 1 to read:

C1 1. (Amended thrice) A method of reducing the sulfur content of a catalytically cracked petroleum fraction, which comprises catalytically cracking a petroleum feed fraction comprising a heavy hydrocarbon oil feed containing organosulfur compounds under catalytic cracking conditions of elevated temperature in the presence of a cracking catalyst and a product sulfur reduction catalyst which comprises a porous molecular sieve having a metal component which is within the interior pore structure of the molecular sieve and which comprises vanadium in an oxidation state greater than zero in a matrix comprising alumina or silica-alumina with clay, to crack the heavy hydrocarbon feed to lighter liquid cracking products of reduced sulfur content.

~~Cancel~~ claim 4.